

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :		
Product line	: JM Pump NEMA Premium Efficiency Three-Phase	
Product code :	13374122	
Frame	: 182/4JM	
Insulation class	: F	
Duty cycle	: Cont.(S1)	
Ambient temperature	: -20°C to +40°C	
Altitude	: 1000 m.a.s.l.	
Protection degree	: IP55	
Design	: B	
Cooling method	: IC411 - TEFC	
Mounting	: F-1	
Rotation ¹	: Both (CW and CCW)	
Starting method	: Direct On Line	
Approx. weight ²	: 34.8 kg	
Moment of inertia (J)	: 0.0118 kgm ²	
Output [HP]	1.5	
Poles	6	
Frequency [Hz]	60	
Rated voltage [V]	230/460	
Rated current [A]	4.44/2.22	
L. R. Amperes [A]	30.6/15.3	
LRC [A]	6.9x(Code K)	
No load current [A]	2.73/1.36	
Rated speed [RPM]	1170	
Slip [%]	2.50	
Rated torque [kgfm]	0.930	
Locked rotor torque [%]	240	
Breakdown torque [%]	340	
Service factor	1.15	
Temperature rise	80 K	
Locked rotor time	99s (cold) 55s (hot)	
Noise level ²	52.0 dB(A)	
Efficiency (%)	25%	82.8
	50%	84.0
	75%	86.5
	100%	87.5
Power Factor	25%	0.29
	50%	0.50
	75%	0.63
	100%	0.71
Bearing type	: <u>Drive end</u> 6207 ZZ <u>Non drive end</u> 6205 ZZ	
Sealing	: V'Ring Without Bearing Seal	
Lubrication interval	: - -	
Lubricant amount	: - -	
Lubricant type	: Mobil Polyrex EM	
Foundation loads	Max. traction : 51 kgf	
	Max. compression : 86 kgf	
Notes USABLE @208V 4.91A SF 1.00 SFA 4.91A		
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.		
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.		
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Three Phase Induction Motor - Squirrel Cage

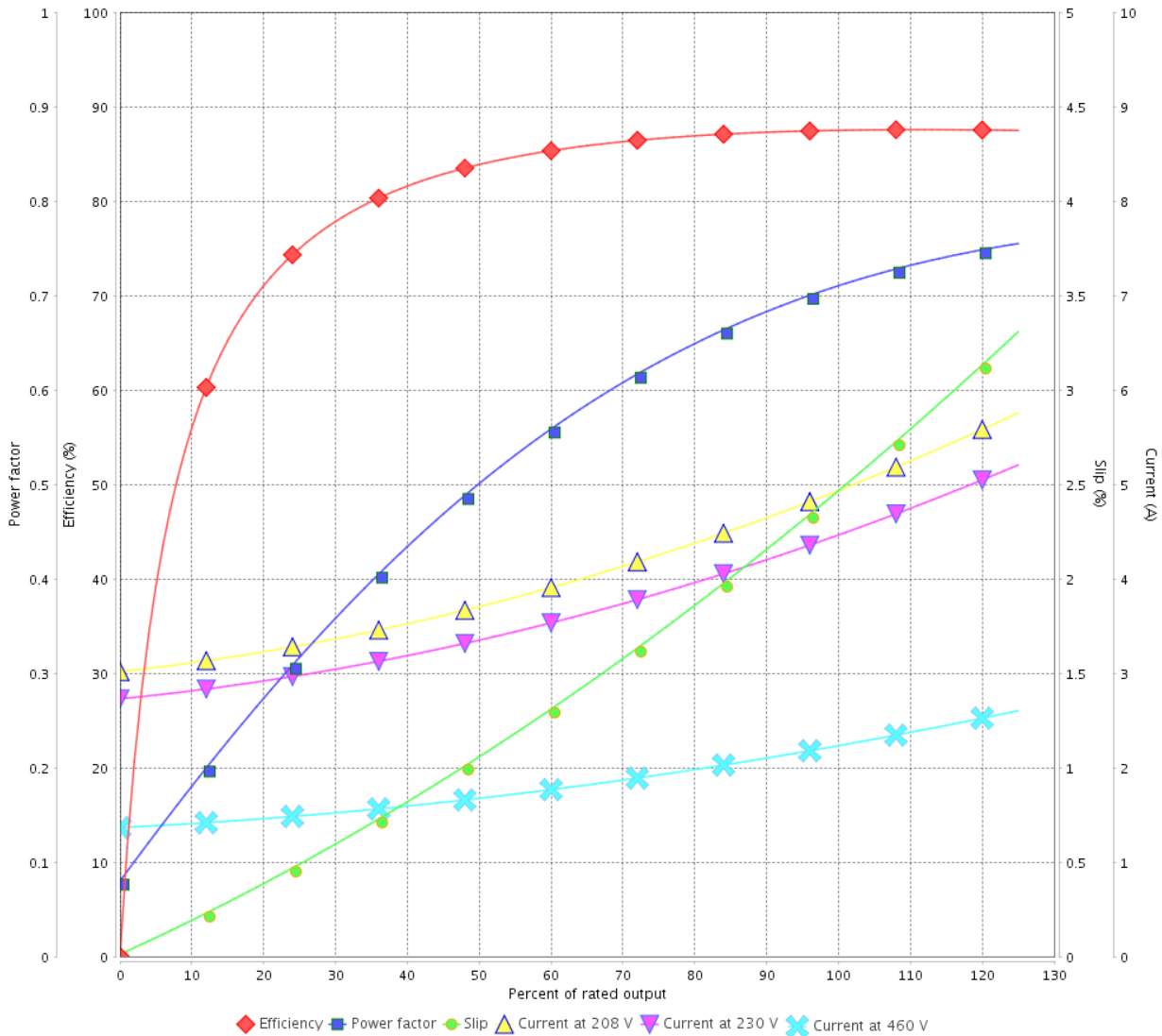


Customer :

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 13374122

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Performance : 230/460 V 60 Hz 6P

Rated current : 4.44/2.22 A
 LRC : 6.9
 Rated torque : 0.930 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 340 %
 Rated speed : 1170 rpm

Moment of inertia (J) : 0.0118 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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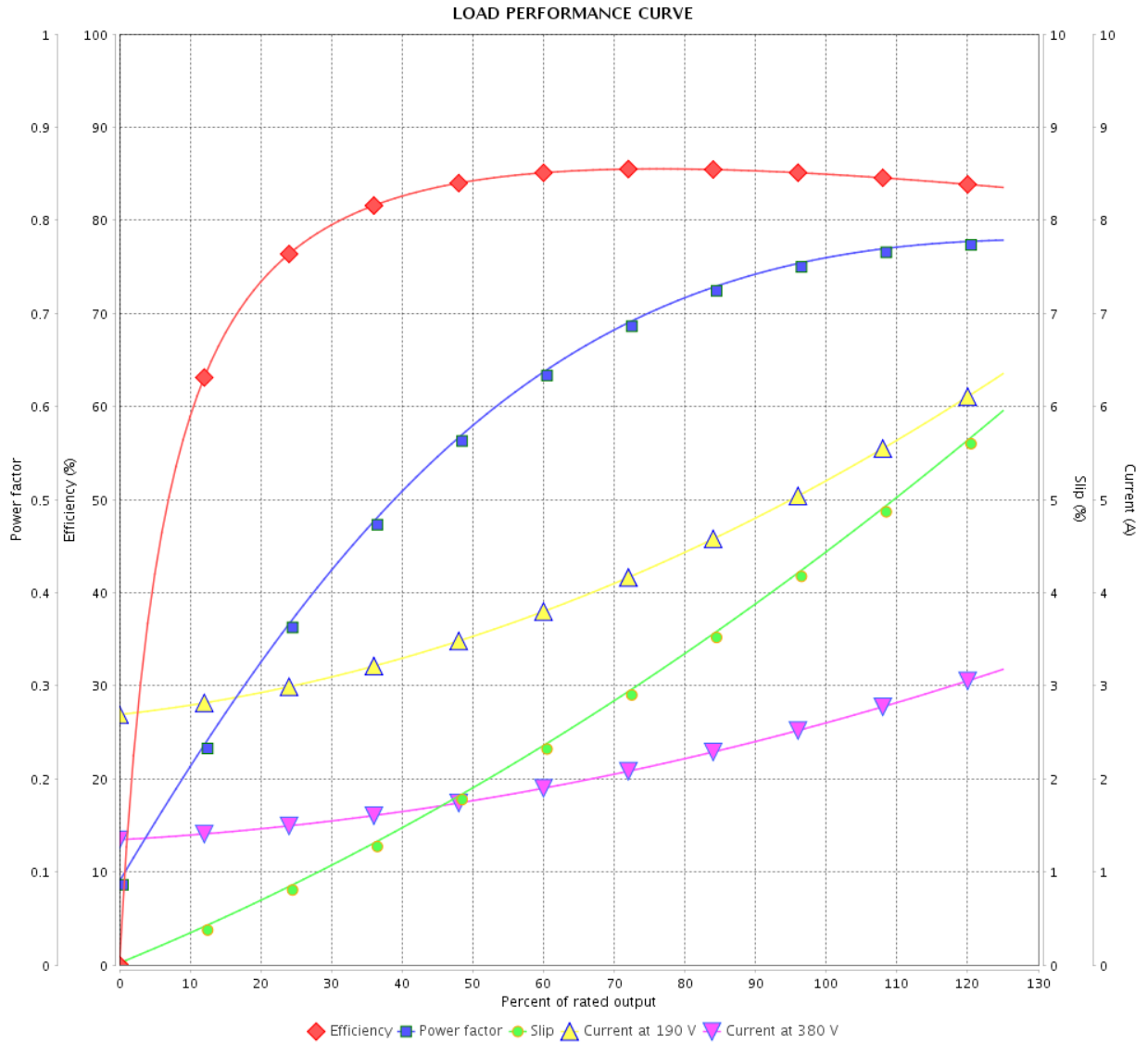
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 13374122



Performance : 190/380 V 50 Hz 6P

Rated current : 5.18/2.59 A
 LRC : 5.7
 Rated torque : 1.14 kgfm
 Locked rotor torque : 190 %
 Breakdown torque : 260 %
 Rated speed : 955 rpm

Moment of inertia (J) : 0.0118 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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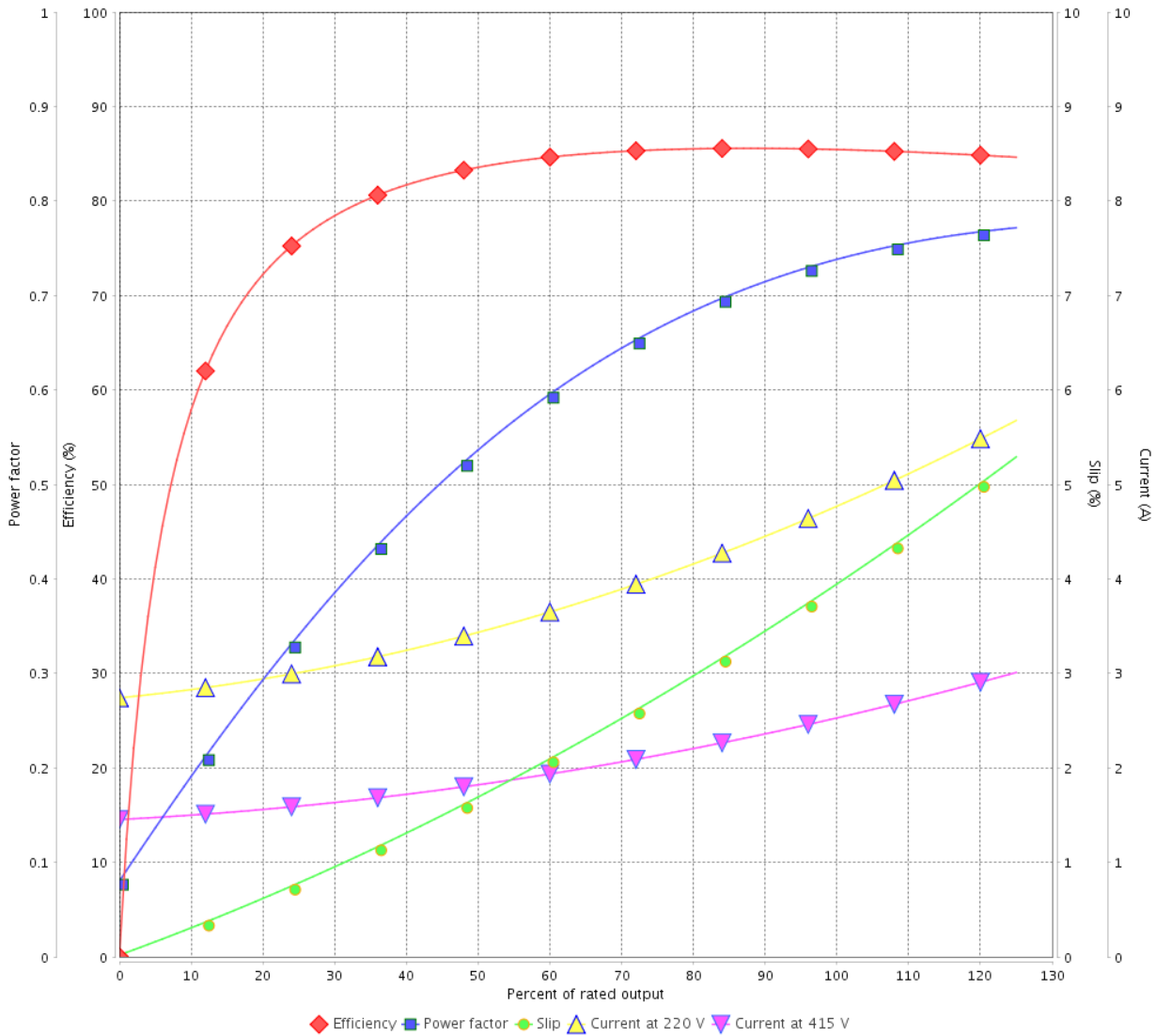


Customer :

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 13374122

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Performance : 220/415 V 50 Hz 6P

Rated current : 4.73/2.51 A
LRC : 6.3
Rated torque : 1.13 kgfm
Locked rotor torque : 220 %
Breakdown torque : 290 %
Rated speed : 960 rpm

Moment of inertia (J) : 0.0118 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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